

<b>Andover Wood Products, Inc.</b>	)	<b>Departmental</b>
<b>Oxford County</b>	)	<b>Findings of Fact and Order</b>
<b>Andover, Maine</b>	)	<b>Air Emission License</b>
<b>A-317-71-H-M</b>	)	<b>Amendment #1</b>

After review of the air emission license minor revision application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A, Section 344 and Section 590, the Department finds the following facts:

## **I. REGISTRATION**

Andover Wood Products, Inc. of Andover, Maine has submitted a minor revision to relocate the wood boiler stack, replace the ash cyclone with a multiclone separator, and install a new bag filter.

Air emission license A-317-71-G-A/R, issued to Andover Wood Products on February 18, 1999, includes one oil fired boiler, one wood boiler, one diesel generator, and process equipment.

## **II. MINOR REVISION DESCRIPTION**

Andover Wood Products has submitted a revision to make improvements to the wood boiler stack and the dust collection system. The boiler (boiler 3) is rated at 12 MMBtu/hr and is currently controlled by a cyclone. Andover Wood Products has also proposed to install a new bag filter on the sawdust storage house in replacement of some of the older cyclone separators.

### **A. Wood Boiler Stack**

The facility has proposed to relocate the boiler stack. The stack is now situated directly above the sawdust house and has potentially been the cause of fires - igniting the roof of the sawdust house. The boiler first exhausts through a home-built cyclone ash separator that deposits ash into a barrel, then continues up the stack. The cyclone separator has worn thin and needs replacing.

Andover Wood Products has obtained a Breslove Separator from another division. The separator is located at the bottom of the stack and is a regenerative fly ash separator that works on the principle of cyclonic separation. The new 48 foot stack would be installed on top of the multi-clone. The exit of the new stack will be at a higher elevation than the current stack. The stack will be further away

from the buildings so as to reduce the potential of fire and reduce down wash effects from the structures. This replacement meets BPT.

The Department approves the relocation of the stack and the replacement of the cyclone since there will be no change in boiler heating output and no increase in current license emissions.

**B. Dust Collection**

Andover Wood Products has proposed installing a new bag filter so that the oldest cyclone separators on the sawdust storage house can be removed. The two newer, high efficiency cyclones will remain operational, alongside the new bag filter system. Three older cyclones will no longer be used. The Department approves the new bag filter on the dust collection system since emissions will be reduced with the new unit.

**ORDER**

Based on the above Findings and subject to conditions listed below the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards, and
- will not violate applicable ambient air quality standards, or increment standards either alone or in conjunction with emissions from other sources.

Therefore the Department grants this amendment A-317-71-H-M, subject to the conditions found in air emission license A-317-71-G-A/R, in addition to the following conditions:

**New Conditions:**

**(24) Wood Boiler Stack and Separator**

1. Andover Wood Products may replace the current wood boiler stack and cyclone with a new 48 foot stack and a fly ash separator system.
2. Andover Wood Products shall inspect the ash separator system once a day and shall maintain a log documenting any operational problems or repairs.

3. Visible emissions from the new stack shall not exceed 20% opacity on a 6 minute block average basis, except for no more than 2 six minute block averages in any continuous 3-hour period.

- (25) Andover Wood Products may install a new bag filter system and remove the three oldest cyclone separators on the sawdust storage house (the two newer, high efficiency cyclones shall remain in operation).

Andover Wood Products shall operate and maintain the baghouse in proper operating condition and keep a log documenting all maintenance and repairs on the bag filter system.

Visible emissions from the process cyclones and bag filter system shall be limited to 5% opacity.

(26) **Annual Emission Statement**

In accordance with MEDEP Chapter 137, the licensee shall annually report to the Department by September 1, the information necessary to accurately update the State's emission inventory by means of:

- 1) A computer program and accompanying instructions supplied by the Department;  
or
- 2) A written emission statement containing the information required in MEDEP Chapter 137.

Reports and questions should be directed to:

Attn: Criteria Emission Inventory Coordinator  
Maine DEP  
Bureau of Air Quality  
17 State House Station  
Augusta, ME 04333-0017

Phone: (207) 287-2437

- (27) Andover Wood Products shall pay the annual air emission license fee within 30 days of December 31 of each year. Pursuant to Title 38-353-A, failure to pay this annual fee in the stated timeframe is sufficient grounds for revocation of the license under section 341-D, subsection 3.

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(28) The term of this order shall be concurrent with the term of air emission license A-317-71-G-A/R.

DONE AND DATED IN AUGUSTA, MAINE THIS            DAY OF            2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: September 20, 2002

Date of application acceptance: September 23, 2002

Date filed with Board of Environmental Protection: \_\_\_\_\_

This order prepared by Kathleen E. Molokie, Bureau of Air Quality.